	Type	L #	Hits	Search Text	DBs
1	BRS	L1	223680	lcd or "liquid crystal display"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
2	BRS	L2	283	Dc near balancing	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
3	BRS	L3	283	DC near balancing	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
4	BRS	L4	241270	integrate or integrator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
5	BRS	L5	2198	AC near driving	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
6	BRS	L6	43525	square adj wave	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
7	BRS	L7	0	5 and 6 and 3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
8	BRS	L8	25	5 and 6 and 1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
9	BRS	L9	10	hirano near masumi	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
10	BRS	L10	6234	4 and 6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
11	BRS	L11	2	3 and 10	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
12	BRS	L12	1	3 and 1 and 5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

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	Type	L #	Hits	Search Text	DBs
13	BRS	L13	3	3 and 5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
14	BRS	L14	122	6 and 5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
15	BRS	L15	2177	345/87.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
16	BRS	L16	558	345/55.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
17	BRS	L17	1084	345/204.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
18	BRS	L18	3737	15 or 16 or 17	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
19	BRS	L19	87	6 and 18	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
20	BRS	L20	3	5 and 19	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
21	BRS	L21	44	2 and 4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
22	BRS	L22	1	18 and 21	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
23	BRS	L23	70321	integrator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
24	BRS	L24	71	5 and 23	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

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	Type	L #	Hits	Search Text	DBs
25	BRS	L25	7	1 and 24	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
26	BRS	L26	5	unbalanced and (DC adj voltage)	IBM_TDB
27	BRS	L27	1465	unbalanced and (DC adj voltage)	USPAT; US-PGPUB; EPO; JPO; DERWENT
28	BRS	L28	48	1 and 27	USPAT; US-PGPUB; EPO; JPO; DERWENT
29	BRS	L29	1	18 and 28	USPAT; US-PGPUB; EPO; JPO; DERWENT
30	BRS	L30	22	15 and 23	USPAT; US-PGPUB; EPO; JPO; DERWENT
31	BRS	L31	25	1 and 5 and 6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
32	BRS	L32	21090	amplitude adj modulation	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
33	BRS	L33	1673	23 and 32	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
34	BRS	L34	39	1 and 33	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
1	US 20020158823 A1	20021031	120	PORTABLE MICRODISPLAY SYSTEM	345/87	
2	US 20020036606 A1	20020328	42	MATRIX SUBSTRATE AND LIQUID CRYSTAL DISPLAY AS WELL AS PROJECTOR USING THE SAME	345/87	
3	US 20010043175 A1	20011122	22	LIQUID CRYSTAL PANEL SUBSTRATE, LIQUID CRYSTAL PANEL, AND ELECTRONIC EQUIPMENT AND PROJECTION TYPE DISPLAY DEVICE BOTH USING THE SAME	345/87	
4	US 20010019321 A1	20010906	24	Reduced cost automatic meter reading system and method using locally communicating utility meters	345/87	
5	US 6492971 B1	20021210	12	LCD panel and LCD device equipped therewith	345/99	345/87
6	US 6466189 B1	20021015	7	Digitally controlled current integrator for reflective liquid crystal displays	345/87	345/98
7	US 6421038 B1	20020716	37	Active matrix liquid crystal display	345/98	345/87; 345/90; 345/92; 345/94
8	US 6335715 B1	20020101	7	Circuit for preventing rush current in liquid crystal display	345/87	345/100; 345/211; 345/213; 345/214; 345/98; 345/99
9	US 6333728 B1	20011225	10	Method and apparatus for real-time on-off contrast ratio optimization in liquid crystal displays	345/90	345/87; 349/72

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
10	US 6331844 B1	20011218	30	Liquid crystal display apparatus	345/87	345/100; 345/204; 345/205; 345/206; 345/211; 345/212; 345/92
11	US 6177914 B1	20010123	16	Plasma addressed electro-optical display	345/60	345/87; 345/94; 349/36
12	US 5774099 A	19980630	35	Liquid crystal device with wide viewing angle characteristics	345/87	
13	US 5589847 A	19961231	23	Switched capacitor analog circuits using polysilicon thin film technology	345/98	257/E27.111; 345/87
14	US 5432526 A	19950711	94	Liquid crystal display having conductive cooling	345/87	349/161
15	US 5420604 A	19950530	46	LCD addressing system	345/100	345/87
16	US 5414441 A	19950509	6	Temperature compensation apparatus for liquid crystal display	345/87	345/101; 345/89
17	US 5157525 A	19921020	9	Control of liquid crystal display visual properties to compensate for variation in the characteristics of the liquid crystal	345/87	345/207; 345/690; 349/116; 349/33
18	US 5077553 A	19911231	20	Apparatus for and methods of addressing data storage elements	345/87	345/60
19	US 5036317 A	19910730	17	Flat panel apparatus for addressing optical data storage locations	345/74.1	345/204; 345/87; 349/31; 365/112; 365/118

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
20	US 4864538 A	19890905	14	Method and apparatus for addressing optical data storage locations	365/128	345/87; 365/112; 365/118
21	US 4536856 A	19850820	10	Method of and apparatus for controlling the display of video signal information	345/87	
22	JP 06175618 A	19940624	8	LIQUID CRYSTAL DISPLAY DEVICE AND ITS DRIVING METHOD		345/87

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1	BRS	L1	223680	lcd or "liquid crystal display"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
2	BRS	L2	283	Dc near balancing	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
3	BRS	L3	283	DC near balancing	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
4	BRS	L4	241270	integrate or integrator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
5	BRS	L5	2198	AC near driving	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
6	BRS	L6	43525	square adj wave	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
7	BRS	L7	0	5 and 6 and 3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
8	BRS	L8	25	5 and 6 and 1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
9	BRS	L9	10	hirano near masumi	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
10	BRS	L10	6234	4 and 6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
11	BRS	L11	2	3 and 10	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
12	BRS	L12	1	3 and 1 and 5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Type	L #	Hits	Search Text	DBs
13	BRS	L13	3	3 and 5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
14	BRS	L14	122	6 and 5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
15	BRS	L15	2177	345/87.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
16	BRS	L16	558	345/55.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
17	BRS	L17	1084	345/204.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
18	BRS	L18	3737	15 or 16 or 17	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
19	BRS	L19	87	6 and 18	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
20	BRS	L20	3	5 and 19	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
21	BRS	L21	44	2 and 4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
22	BRS	L22	1	18 and 21	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
23	BRS	L23	70321	integrator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
24	BRS	L24	71	5 and 23	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

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	Type	L #	Hits	Search Text	DBs
25	BRS	L25	7	1 and 24	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
26	BRS	L26	5	unbalanced and (DC adj voltage)	IBM_TDB
27	BRS	L27	1465	unbalanced and (DC adj voltage)	USPAT; US-PGPUB; EPO; JPO; DERWENT
28	BRS	L28	48	1 and 27	USPAT; US-PGPUB; EPO; JPO; DERWENT
29	BRS	L29	1	18 and 28	USPAT; US-PGPUB; EPO; JPO; DERWENT
30	BRS	L30	22	15 and 23	USPAT; US-PGPUB; EPO; JPO; DERWENT

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	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
1	US 20020154263 A1	20021024	24	Liquid crystal display device	349/149	
2	US 20020121860 A1	20020905	70	Light emitting device and method of manufacturing the same	313/506	
3	US 20020113546 A1	20020822	45	Organic light emitting device and display device using the same	313/504	
4	US 20020101396 A1	20020801	54	Balanced binary color drive method for graphical displays and system implementing same	345/87	
5	US 20020000994 A1	20020103	54	System and method for superframe dithering in a liquid crystal display	345/605	
6	US 20020000967 A1	20020103	53	System and method for digitally controlled waveform drive methods for graphical displays	345/88	
7	US 20010043177 A1	20011122	55	System and method for color and grayscale drive methods for graphical displays utilizing analog controlled waveforms	345/87	
8	US 20010031914 A1	20011018	22	Method and device for glucose concentration measurement with special attention to blood glucose determinations	600/318	600/319; 600/336
9	US 6246893 B1	20010612	21	Method and device for glucose concentration measurement with special attention to blood glucose determinations	600/318	600/319; 600/336
10	US 5794080 A	19980811	83	Piezoelectric vibration angular velocity meter and camera using the same	396/53	310/317; 73/504.12

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
11	US 5765046 A	19980609	106	Piezoelectric vibration angular velocity meter and camera using the same	396/53	310/348; 310/366; 310/368; 73/504.14
12	US 5712652 A	19980127	36	Liquid crystal display device	345/90	345/204; 345/30; 345/55; 345/98; 349/19; 349/33; 349/41
13	US 5706061 A	19980106	18	Spatial light image display system with synchronized and modulated light source	348/743	348/742
14	US 5563727 A	19961008	35	High aperture AMLCD with nonparallel alignment of addressing lines to the pixel edges or with distributed analog processing at the pixel level	349/143	345/90; 349/139; 349/42
15	US 5537129 A	19960716	12	Common electrode driving circuit for use in a display apparatus	345/90	345/94
16	US 5414443 A	19950509	37	Drive device for driving a matrix-type LCD apparatus	345/95	345/89
17	US 5073010 A	19911217	13	Optically addressable spatial light modulator having a distorted helix ferroelectric liquid crystal member	349/28	349/172; 349/37
18	US 4944578 A	19900731	24	Color graphic imager utilizing a liquid crystal display	349/6	345/88; 349/181; 353/122; 353/DIG.5
19	US 4702560 A	19871027	25	Liquid crystal display device	345/99	

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
20	US 4701025 A	19871020	11	Liquid crystal display device with driving method to eliminate blur due to frequency dependence	345/96	
21	US 4290061 A	19810915	12	Electrically integrated touch input and output display system	345/174	341/33
22	JP 08076726 A	19960322	33	TFT LIQUID CRYSTAL DISPLAY		
23	JP 08021984 A	19960123	26	TFT LIQUID CRYSTAL DISPLAY		
24	JP 2000112444 A	20000421	11	Liquid crystal drive unit supplies capacitor driving signal to capacitor connected to each output terminal through which amplified image signal is output from sample and hold circuit		
25	JP 2000029436 A	20000128	11	Liquid crystal drive unit of active matrix liquid crystal display device, disconnects main signal line from output terminal and connects it with source circuit, when inverted signal is fed to auxiliary signal line		

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1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
1	☐ US 20020101396 A1	20020801	54	Balanced binary color drive method for graphical displays and system implementing same	345/87	
2	☐ US 20010043177 A1	20011122	55	System and method for color and grayscale drive methods for graphical displays utilizing analog controlled waveforms	345/87	
3	☐ US 5712652 A	19980127	36	Liquid crystal display device	345/90	345/204; 345/30; 345/55; 345/98; 349/19; 349/33; 349/41

12/20/2002, EAST Version: 1.03.0002

	Type	L #	Hits	Search Text	DBs
1	BRS	L1	223680	lcd or "liquid crystal display"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
2	BRS	L2	283	Dc near balancing	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
3	BRS	L3	283	DC near balancing	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
4	BRS	L4	241270	integrate or integrator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
5	BRS	L5	2198	AC near driving	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
6	BRS	L6	43525	square adj wave	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
7	BRS	L7	0	5 and 6 and 3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
8	BRS	L8	25	5 and 6 and 1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
9	BRS	L9	10	hirano near masumi	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
10	BRS	L10	6234	4 and 6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
11	BRS	L11	2	3 and 10	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
12	BRS	L12	1	3 and 1 and 5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Type	L #	Hits	Search Text	DBs
13	BRS	L13	3	3 and 5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
14	BRS	L14	122	6 and 5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
15	BRS	L15	2177	345/87.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
16	BRS	L16	558	345/55.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
17	BRS	L17	1084	345/204.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
18	BRS	L18	3737	15 or 16 or 17	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
19	BRS	L19	87	6 and 18	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
20	BRS	L20	3	5 and 19	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

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Type	L #	Hits	Search Text	DBs
1	BRS	L1	712513	(liquid adj crystal) or LC	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
2	BRS	L2	1	LCD adj electrooptic-switching	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
3	BRS	L3	169	LC adj shutter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
4	BRS	L4	79604	driving adj circuit$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
5	BRS	L5	3	3 and 4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
6	BRS	L6	44	driving and 3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
7	BRS	L7	14728	1 and 4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
8	BRS	L8	2	5347383.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
9	BRS	L9	4	3731986.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
10	BRS	L10	4531	integrator and 1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
11	BRS	L11	1725	driving and 10	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
12	BRS	L12	62679	345/$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Type	L #	Hits	Search Text	DBs
13	BRS	L13	31623	349/$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
14	BRS	L14	200	11 and (12 or 13)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
15	BRS	L15	1025	DC adj balanc$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
16	BRS	L16	183	1 and 15	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
17	BRS	L17	4	10 and 16	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
18	BRS	L18	78	16 and 12	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
19	BRS	L19	0	14 and 15	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
20	BRS	L20	39	4 and 15	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
21	BRS	L22	1532	LCD and integrator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
22	BRS	L23	139	12 and 22	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
23	BRS	L24	98	12 and 22	USPAT; EPO; JPO; DERWENT; IBM_TDB
24	BRS	L25	2	15 and 22	USPAT; EPO; JPO; DERWENT; IBM_TDB

	Type	L #	Hits	Search Text	DBs
25	BRS	L28	1652	(alternating adj current adj driving) or (AC adj driving)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
26	BRS	L29	7	22 and 28	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
27	BRS	L30	5781	(345/87-95).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
28	BRS	L31	282	(345/33).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
29	BRS	L32	99	(345/38).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
30	BRS	L33	515	(345/50).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
31	BRS	L34	1435	(345/204).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
32	BRS	L35	7875	30 or 31 or 32 or 33 or 34	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
33	BRS	L36	50	22 and 35	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB